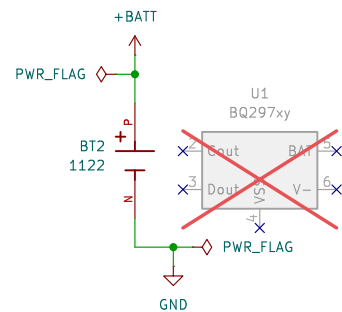
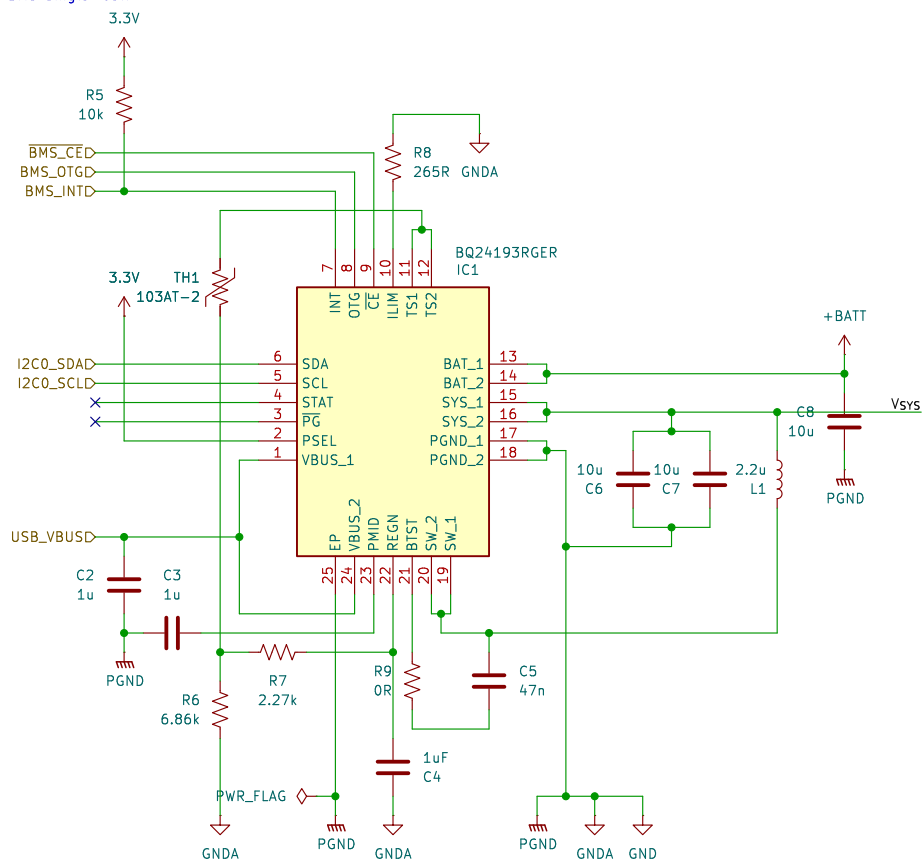


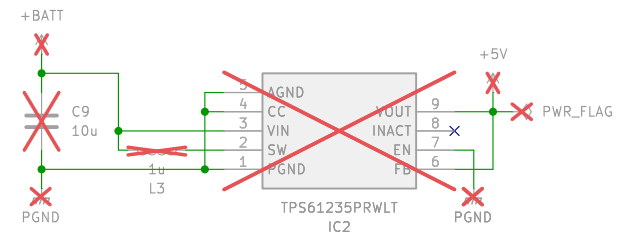
TODO: need a switch and MOSFETs



BMS Single-Cell



Switching 5.0V
Used by Antenna System

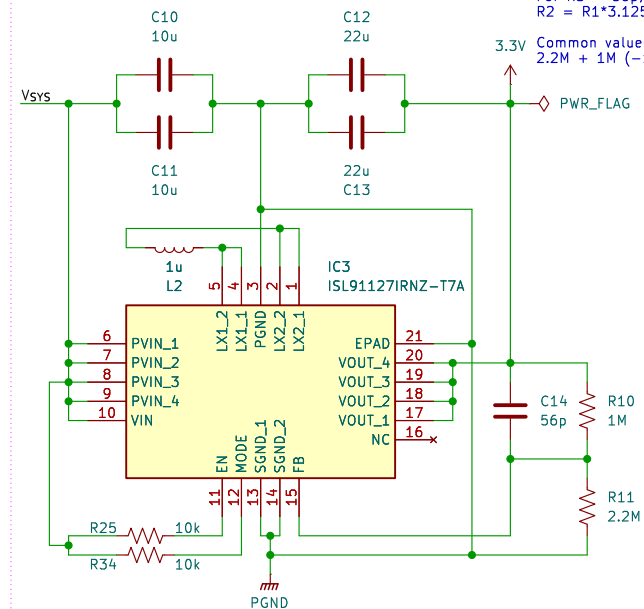


Regulated 3.3V
Used by Communications System

$$V_{OUT} = 0.8V * (1 + R1/R2)$$
$$(3.3V)/0.8 - 1 = R1/R2$$

For $R3 = 56p$, $R1 = 1M$
 $R2 = R1 * 3.125 = 3.125M$

3V Common values:
2.2M + 1M (-1.12%)



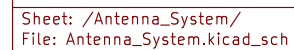
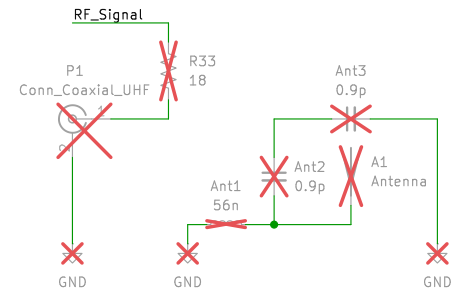
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Title:

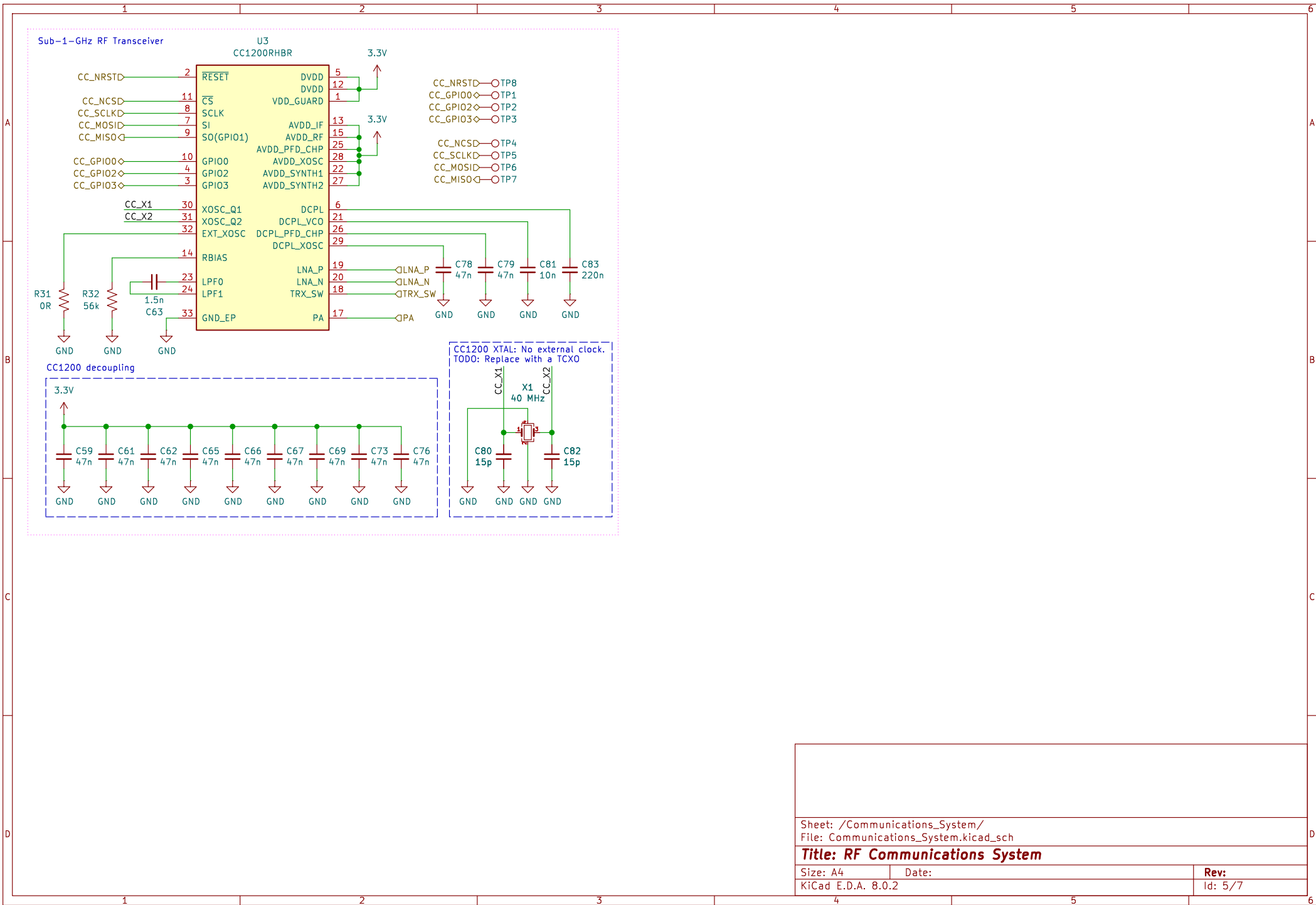
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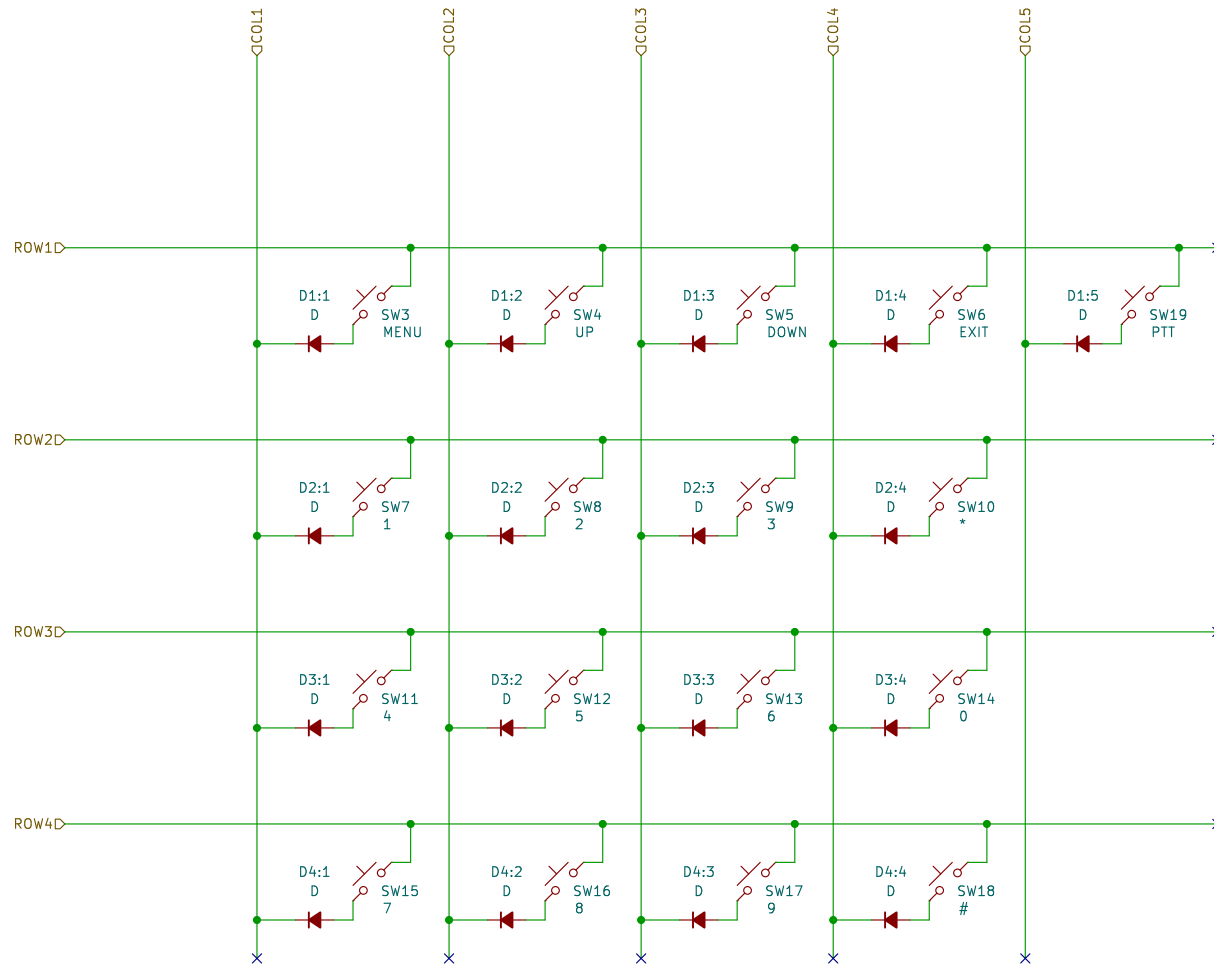
Rev:
Id: 2/7



Id: 4/7



TODO: Need buttons and diodes



Sheet: /Computing_System/Keypad/
File: Keypad.kicad_sch

Title:

Size: A4

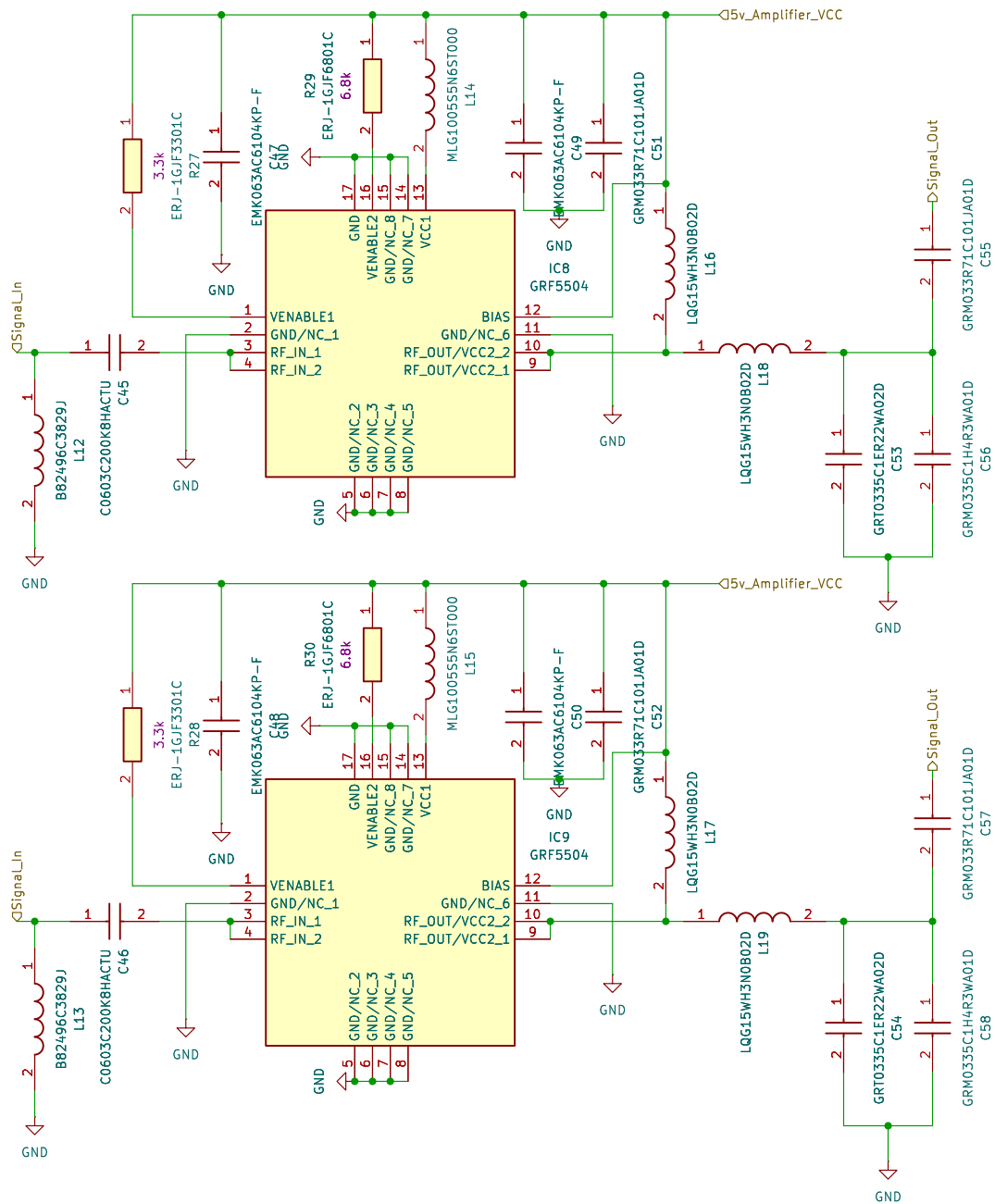
Date:

KiCad E.D.A. 8.0.2

Rev:

Id: 6/7

TODO: This amplifier biasing topology only works for 440 MHz.
Need to find biasing for 142 MHz
TODO: Replace these components with Actual Values



Sheet: /Antenna_System/Amplifier_Assembly/
File: Amplifier_Assembly.kicad_sch

Title:

Size: A4
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Date:

Rev:
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